

DETAILED ACTION

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Tucker, Attorney of Record, on 10/29/10.

2. The application has been amended as follows:

IN THE CLAIMS

Claims 1, 16, 18-25, 28-33 and 35 are replaced with the following:

1. (Currently Amended) A method for internally synchronizing cell measurements in a mobile communication apparatus having a first active radio access means adapted to communicate according to a first radio access technology (RAT) and a second passive radio access means adapted to communicate according to a second RAT, ~~the method implemented by the mobile communication apparatus comprising the steps of:~~

the mobile communication apparatus performs the following steps:

generating a common time event (CTE) upon issuance of a request to initiate the cell measurements;

generating a time reference common to the first and the second radio access means by registering counter values from a first and second counter provided in the first and the second radio access means respectively in response to the CTE;

obtaining, by said first radio access means, a measurement gap schedule including a time schedule in a time format of said first radio access means, said time

schedule indicating a time gap during which the second radio access means is allowed to be active and not interrupt communications of the first radio access means, said measurement gap schedule includes an activation time of the time schedule where the activation time is determined in the time format of said first radio access means and the activation time is determined based on a time distance from the CTE;

forwarding said measurement gap schedule to said second radio access means;
and

translating said measurement gap schedule by said second radio access means using [[a]] the time reference of the registered counter value in the second counter to determine the activation time in a time format of said second access means.

16. (Currently Amended) ~~An arrangement~~ A mobile communication apparatus for internally synchronizing cell measurements ~~in a mobile communication apparatus~~, comprising:

a first active radio access means comprising a first transceiver means for communicating with a first communication network the first transceiver means being adapted to communicate according to a first radio access technology;

a second passive radio access means comprising a second transceiver means for communicating with a second communication network, the second transceiver means being adapted to communicate according to a second radio access technology;

a timing generator means for generating a common time event (CTE) upon issuance of a request to initiate the cell measurements;

a time reference generating means for generating a time reference common to the first radio access means and the second radio access means by registering counter values from a first and second counter means provided in the first and the second radio access means respectively in response to the CTE;

a time schedule generating means in the first radio access means for obtaining a measurement gap schedule including a time schedule in a time format of the first radio access means, the time schedule indicating at least one time gap during which the second radio access means is allowed to be active and not interrupt communications of

the first radio access means, said measurement gap schedule includes an activation time of the time schedule where the activation time is determined in the time format of said first radio access means and the activation time is determined based on a time distance from the CTE;

means for forwarding the measurement gap schedule to the second radio access means; and

means on the second access means for translating the measurement gap schedule using [[a]] the time reference of the registered counter value in the second counter means to determine the activation time in a time format of the second radio access means.

18. (Currently Amended) The arrangement mobile communication apparatus according to claim 17, wherein the time reference generating means comprises a first and second counter synchronize mechanism provided in the first and second radio access means, respectively;

one of the counter synchronize mechanisms being adapted to generate an interrupt;

wherein the interrupt is the CTE;

the other counter synchronize mechanism adapted to receive the interrupt.

19. (Currently Amended) The arrangement mobile communication apparatus according to claim 18, wherein either or both of the counter synchronize mechanisms are adapted to write a bit onto a connection to the other, the bit being the interrupt.

20. (Currently Amended) The arrangement mobile communication apparatus according to claim 19, wherein the time reference generating means comprises first and second counter means and first and second counter value register means provided in the first and second radio access means, respectively.

21. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 20, wherein the counter of the first radio access means, in operation, is adapted to generate current connection frame number, current slot, and current chip, which the time reference generating means is adapted to store in the first counter value register means in response to the CTE.

22. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 20, wherein the counter of the second radio access means is adapted to generate a current frame number in GSM multiframe structure, and a position within the frame, which the time reference generating means is adapted to store in the second counter value register means in response to the CTE.

23. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 16, wherein the time schedule generating means is adapted to obtain the time schedule based on stored information and data received from the first communication network during operation.

24. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 16, wherein the time schedule generating means is adapted to incorporate into the time schedule parameters that identify the duration of the time gap, and the distance between the common time reference and the at least one time gap.

25. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 16, wherein the time schedule generating means is adapted to incorporate into the time schedule a plurality of time gaps, and to specify the distance between each of the plurality of time gaps in the time schedule.

28. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 16, wherein the second radio access means is adapted to

provide cell measurements during the time gaps given in the time schedule, and wherein the first access radio means is adapted to be passive.

29. (Currently Amended) The arrangement mobile communication apparatus according to claim 16, wherein the first radio access technology is WCDMA (Wideband Code Division Multiple Access).

30. (Currently Amended) The arrangement mobile communication apparatus according to claim 16, wherein the second access technology is GSM (Global System for Mobile communication).

31. (Currently Amended) The arrangement mobile communication apparatus according to claim 16, wherein the first and second radio access means have at least one common radio resource.

32. (Currently Amended) The arrangement mobile communication apparatus according to claim 31, wherein the common radio resource is an antenna.

33. (Currently Amended) The arrangement mobile communication apparatus according to claim 16, further comprising:

- a mobile terminal operable within the first radio access technology and second radio access technology;

- the mobile terminal having digital computer capabilities;

- a computer program product embodied on a computer readable memory of the mobile terminal having software code portions for generating a time reference common to the first and the second radio access means;

- obtaining at least one time schedule, the time schedule indicating the time gap during which the second radio access means is allowed to be active; and determining the activation time of the time schedule based on the common time reference.

35. (Currently Amended) The ~~arrangement~~ mobile communication apparatus according to claim 34, wherein the wireless mobile communication apparatus is one from the group consisting of a mobile radio terminal, a mobile telephone, a pager and a communicator.

Allowable Subject Matter

3. Claims 1, 3, 5-12,15,16,18-25 and 28-37 are allowed.

The following is an Examiner's statement of reasons for allowance:

Consider claims 1 and 16, the prior art found during the examination of the present application fails to disclose, teach, or suggest the limitation of **a mobile communication apparatus forwarding said measurement gap schedule to said second radio access means; and translating said measurement gap schedule by said second radio access means using a time reference of the registered counter value in the second counter to determine the activation time in a time format of said second access means.**

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

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Hand-delivered responses should be brought to

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Frank Donado whose telephone number is (571) 270-5361. The Examiner can normally be reached on Monday-Thursday from 8:00 am to 7:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Rafael Pérez-Gutiérrez can be reached on (571) 272-7915. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

Art Unit: 2617

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/NICK CORSARO/

Supervisory Patent Examiner, Art Unit 2617